



# SCHOOL OF PUBLIC HEALTH

UNIVERSITY AT ALBANY State University of New York

**Preparedness Grand Rounds Series: Thursday, January 6, 2005**

## ***Chemical Terrorism for the Non-Chemist***

With Guest Speaker George A. Eadon, Ph.D., Director, Division of Environmental Disease Prevention New York State Department of Health Wadsworth Center

At the conclusion of the presentation, the participants will be able to:

1. List the basic classes and mechanisms of potential chemical weapons.
2. Understand the concepts involved in identification of chemical agents.
3. Describe three industrial chemicals that pose accidental or intentional hazards to health.

## **PARTICIPANT INFORMATION**

**Please enter responses to the following group of questions on the front of the scannable form.**

**If you would prefer to complete on line, please do:** <http://www.ualbanycphp.org/eval/cphpeval.cfm?ID=29>

**Course Code: 61**

**Work Location** 001 New York State 100 Vermont 101 States other than NYS & VT

### **Primary Occupation (Select one):**

- |    |  |    |    |  |  |
|----|--|----|----|--|--|
| 01 | Biostatistician                                  |    | 28 | Physician  |  |
| 02 | Bioterrorism Coordinator                         | 15 | 29 | Psychiatrist   |  |
| 03 | Community Outreach/Field Worker                  | 16 | 30 | Psychologist   |  |
| 04 | Dentist  |    | 31 | Public Health Dental Worker (hygienist, assistant, etc.) |  |
| 05 | Elected Gov't Official                           | 17 |    | 32   | Public Health Educator or Trainer                |
| 06 | Emergency Management (FEMA, civil defense, etc.) | 18 |    | 33   | Public Health Professional                       |
| 07 | Environmental Engineer/Scientist & Specialist    | 19 |    | 34   | Public Health Laboratory Specialist              |
| 08 | Environmental Engineering/Protection Technician  | 20 |    | 35   | Public Health Student                            |
|    |  | 21 |    | 36   | Public Information Staff                         |
| 09 | Epidemiologist                                   | 22 |    | 37   | Social Worker                                    |
| 10 | First Responder (EMT, fire, HAZMAT, etc.)        | 23 |    | 38   | Support Staff                                    |
| 11 | Health Administrator                             | 24 |    | 39   | Teacher / Faculty                                |
| 12 | Health Educator or Trainer                       | 25 |    | 40   | Therapist (e.g., physical, occupational, speech) |
| 13 | Health Information Systems/Data Analyst          | 26 |    | 41   | Veterinarian                                     |
| 14 | Health Planner                                   | 27 |    | 42   | Other  |
|    | Researcher/Analyst                               |    |    |  |  |

### **Primary Work Setting (Select one category that best describes your situation)**

- 01 Local Health Dept
- 02 State Health Dept
- 03 Other State Agency
- 04 Hospital
- 05 Long-term facility
- 06 Other Healthcare Facility
- 07 Private Medical Practice
- 08 College/University
- 09 Not-for-Profit
- 10 Other

## Years in Current Occupation

### Option 1- Race/Ethnicity

- |                              |  |
|------------------------------|--|
| 01 Hispanic or Latino        | 05 Asian                               |
| 02 Black or African American | 06 Native Hawaiian or Pacific Islander |
| 03 Alaska Native             | 07 White                               |
| 04 American Indian           | 08 Other                               |

### Option 2 - What format did you use?

- |                        |                |
|------------------------|----------------|
| 01 Satellite broadcast | 03 DVD         |
| 02 VHS video           | 04 Videostream |

- |               |         |           |
|---------------|---------|-----------|
| <b>Gender</b> | 01 Male | 02 Female |
|---------------|---------|-----------|

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## Evaluation/Ranked Responses

- |   |  |
|---|--|
| <b>41.</b> The course was of overall high quality   | 1. strongly agree<br>2. agree<br>3. neutral<br>4. disagree<br>5. strongly disagree |
| <b>42.</b> The program moderator was helpful in framing questions and focusing discussion.      | 1. strongly agree<br>2. agree<br>3. neutral<br>4. disagree<br>5. strongly disagree |
| <b>43.</b> The guest speaker was effective in communication.                                    | 1. strongly agree<br>2. agree<br>3. neutral<br>4. disagree<br>5. strongly disagree |
| <b>44.</b> The program content supported the objective(s).                                      | 1. strongly agree<br>2. agree<br>3. neutral<br>4. disagree<br>5. strongly disagree |
| <b>45.</b> The knowledge gained from this program will help me perform my job more effectively. | 1. strongly agree<br>2. agree<br>3. neutral<br>4. disagree<br>5. strongly disagree |
| <b>46.</b> I would recommend this program to employees in positions similar to mine.            | 1. strongly agree<br>2. agree<br>3. neutral<br>4. disagree<br>5. strongly disagree |

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## Post Test

### 1. Which of the following industrial chemicals are of concern for potential terrorist use?

- Chlorine and hydrogen cyanide
- Ammonia and phosgene
- Methyl isocyanate
- All of the above

### 2. True or False: A clinical sample comes from a patient's blood or urine; an environmental sample comes from a patient's skin.

- True
- False

**3. Which of the following should be considered primary goals for public health professionals when dealing with chemical events?**

- a. To identify the agent or cause
- b. To determine geographical distribution of exposure and evaluate health implications
- c. To provide continued surveillance and prevention.
- d. All of the above.

**4. Which of the following apply to most industrial chemicals?**

- a. Exposure to only very minute amounts can cause serious damage or death
- b. Agents are readily accessible in freight yards
- c. Leakage from storage sites are never harmful to humans
- d. Such agents are difficult to obtain

**5. The accidental release of huge volumes of this chemical in gaseous form caused thousands of deaths and untold suffering in December, 1984 in Bhopal, India. It was:**

- a. Arsenic dioxide
- b. Phosgene, anhydrous
- c. Ammonia
- d. Methyl isocyanate.

## **COMMENTS –**

**Please provide your responses to the following questions on the back of the scannable form in the space provided.**

1. What was the most useful or important thing you learned during this program?
2. What suggestions do you have for improving the program?
3. Please offer other topics of interest you would like to learn more about in future Center for Public Health Preparedness educational activities.

***If you would like to receive continuing education credits, you must complete the posttest and CEU application.***